

## Pengaruh ketinggian terhadap keanekaragaman insectivora dan rodentia di gunung Tujuh, Taman Nasional Kerinci Seblat.

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### Abstrak

<b>ABSTRAK</b><br>

Studi pengaruh ketinggian terhadap keanekaragaman Insectivora dan Rodentia di Gunung Tujuh, Taman Nasional Kerinci Seblat dilakukan pada ketinggian 1500 mdpl dan 2000 mdpl. Survei dilakukan secara removal sampling menggunakan pitfall trap dan snap trap yang diletakkan mengikuti garis transek. Survei dilakukan selama 9 hari (17-26 Januari 2011) dengan trapping effort sebesar 1677 trap night dan trap success rate sebesar 6,8%. Sebanyak 10 spesies ditemukan pada ketinggian 1500 mdpl dan 9 spesies ditemukan pada ketinggian 2000 mdpl. Indeks keanekaragaman Shannon-Wiener menunjukkan penurunan seiring dengan bertambahnya ketinggian. Indeks kesamaan Sørensen (CCs = 0,42) menunjukkan adanya perbedaan komposisi spesies dari kedua lokasi yang diduga akibat perbedaan tipe habitat di kedua ketinggian.

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<b>ABSTRACT</b><br>

Aims of this study is to investigate the effect of elevation on diversity of Insectivores and Rodents in Gunung Tujuh, Kerinci Seblat National Park. Surveys were conducted at 1500 masl and 2000 masl elevation by employing removal sampling technique from 17 to 26 January 2011. Specimens were collected using pitfall trap and snap trap arranged in a 100 m line transect. These nine days survey covering trapping effort of 1677 trapnight, and resulting in 6,8% trap succes rate. Ten species were recorded at 1500 masl elevation, slightly higher compared to only nine species recorded at 2000 masl elevation. Shannon-Wiener index shows a decreasing pattern with increasing elevation. In addition, Sørensen similarity index (CCs = 0,42) shows a differences in species composition from both locations. The difference might be due to different habitat types at both locations.